Bexar Wire

San Antonio Radio Club
W5SC

2017, No. 8 August 2017

Paul Guido, N5IUT, making his presenting on the Raspberry PI, Computer Security, and Linux Mint at the SARC meeting on July 13, 2017

Paul Guido, N5IUT, receiving a Program Certificate of Appreciation from Harold Fleischer, AE5AS, President, SARC after his presentation at the SARC meeting on July 13, 2017

Radio Teletype

Our next club meeting will be at 7:00 p. m. (1900) on Thursday, August 10, 2017, at Grady's Barbeque, 327 E. Nakoma Dr., San Antonio, TX 78216. The program will be presented by Bob Rodriguez, K5AUW, on Radio Teletype (RTTY).

Raspberry PI

At the 7:00 p. m. meeting on Thursday, July 13, 2017at Grady's Barbeque, 327 E. Nakoma Dr., San Antonio, TX 78216, the program was by Paul Guido, N5IUT. His presentation was called Raspberry PI, Computer Security, and Linux Mint as a desktop replacement for Windows 10.

Paul Guido, N5IUT, actually started his presentation talking about computer security. He strongly recommended a token based two step authentication method where a code from a token is put into the computer after basic user id and password has been. On option, is a Yubico YubiKey 4 that can be purchased on Amazon for $40. If starting out buy two keys and keep one in a safe place as a backup if the primary is lost or damaged. https://www.yubico.com/

He also strongly recommended using separate passwords for all systems. If a userid, commonly used across multiple systems, and its password is compromised in one system, then it is compromised in all. Also, he announced that NIST has deprecated the use of SMS text messages as a second factor for security. When it comes to email, he answered a number of questions. It is always better to respond to an email from some organization like a bank by NOT clicking on the link in the email. Going to the organization via a bookmark of you have saved or by typing the URL from memory is always better. Use a password manager like LastPass, https://www.lastpass.com/, was strongly encouraged.
(Continued on Page 5)

SAN ANTONIO RADIO CLUB

PRESIDENT'S RADIOGRAM

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
8	R		AE5AS		San Antonio, TX		Aug

TO
W5SC

The first half of my second year as President has been really busy. I survived Radio Fiesta 2017 as my own Chairperson. I thought things would get easier. Joe Bruno, W5AUQ, broke his leg, and I decided to be the Acting Chairperson of the Field Day Committee. Several things helped me on this. First, I had the experience of Field Day 2016 when Joe, W5AUQ, was Chairperson. Second, I had the advice of Joe, W5AUQ. Third, I had the help of a number of members who stepped up to do certain tasks. Some stepped up early, like Rich Roudebush, N4DCA, on generators, Paul Guido, N5IUT, on computers, and Lloyd Swartz, KF5ZHW, on water and food. Others stepped up later and also on the days we were actually in the field. It became a satisfying experience to see all the pieces come together while I was helping with load outs, tent erection, cable dragging, antenna erection, etc. I saw lots of hands doing a lot of good things. I saw a lot of smiles along the way.

I have been here in early August before. I was here last year. I am on the back half of the year and in less than 6 months I will be promoted to Chairman of the Board of Directors as my replacement as President steps up to begin his or hers year. (It was all, but signed in blood by the Nominations Committee that they would replace me for 2018.) My major responsibility is to turn over the lessons learned as President, Radio Fiesta 2017 Chairperson, and Field Day 2017 Acting Chairperson. I want to try and help my successor avoid re-learning what I learned so they can continue to build on whatever I did right just like I tried to build on whatever Bob Rodriguez, K5AUW, did right before me.

A final note: I appreciate all the work that are Program presenters do. They make the job that Mike Harrison, KB5KST, does as Vice President and Chairperson, Program Committee easier and they make the meetngs better. The Programs are why I went to SARC meetings for nine years before the Nominations Committee kidnapped me off the back row (literally) to be President for 2016.

Harold AE5AS

Bexar Wire

Published monthly by:
San Antonio Radio Club

Harold C. Fleischer, III AE5AS
President

Harold C. Fleischer, III AE5AS
Editor
210-497-2532
haroldcf@swbell.net

The due date for articles is the Friday before the first Monday of the month.

San Antonio Radio Club

Meeting Minutes

July 13, 2017

Harold Fleischer, AE5AS, President, called the meeting to order at 7:01 p. m. at Grady's BAR-B-Q, 327 E. Nakoma Dr., San Antonio, TX 78216. There were 31 members and 4 guests in attendance.

Harold Fleischer, AE5AS, then introduced himself as Harold AE5AS and then in accordance with SARC custom asked everyone else to introduce themselves.

Harold Fleischer, AE5AS, then turned the meeting over at 7:07 p. m.to Mike Harrison, KB5KST, Vice President, who introduced the program. The program was presented by Paul Guido, N5IUT, about Raspberry PI, Computer Security, and Linux Mint. Mike Harrison, KB5KST, thanked Paul Guido, N5IUT, and turned the meeting at 7:55 p. m. back over to Harold Fleischer, AE5AS, who immediately presented Paul Guido, N5IUT, with a Program Certificate of Appreciation.

Harold Fleischer, AE5AS, then reviewed the printed agenda for meeting with the members present and asked if there were any modifications. There being no modifications suggested, Harold Fleischer AE5AS announced the printed agenda as orders for the meeting without objection by unanimous consent.

Harold Fleischer, AE5AS, then stated that whereas the minutes for the last meeting on June 8, 2017 had been distributed in the July 2017 Bexar Wire newsletter that unless there were corrections or objections that we would dispense with the reading of the minutes and approve them as written without objection by unanimous consent.

Officer Reports:

President

It was announced that Bob Thompson, K5RWT, had resigned as Secretary due to medical problems with his eyes.

Need a Newsletter Editor

Need a Webmaster. Someone had expressed an interest, but the President is waiting for them to show it by contacting him about it.

Vice President – Future Program: The August 10, 2017 meeting program will be by Pete Shavney, WA3OVH, and will be about Hurricane Agnes.

Secretary – No report.

Treasurer – Financial Report was distributed by the Treasurer.

A field day expense report was also distributed. The budget for field day was exceeded by a factor of three, but we knew that was going to happen because of the Patch Panel, etc.

A budget report for the year to date, March 1, 2017 through June 30, 2017, was distributed. Field Day is over. Expenses incurred for the video projector were not in the original budget. Hence, we are generally over. It is anticipated that expenses and revenues for the balance of the year will be close to as forecasted.

Newsletter Editor - The July 2017 *Bexar Wire* newsletter was sent out by Bill Crabtree, K5FRQ, on July 11, 2017.

The deadline for input, as stated on the bottom of page 2, remains the last Friday of the month.

Webmaster – The planned two monthly updates for News Blast! and the Bexar Wire were made.

An update for Field Day 2017 is still needed.

Chairman of the Board Report –Bob Rodriguez, K5AUW, asked that anyone interested in being the Secretary contact either him or the President.

Committee Reports

Education and Training – Bob Rodriguez, K5AUW, reported that he has done two Technician Classes in the last month including one for CERTS.

Bob Rodriguez, K5AUW, is planning a General Class to start in late October 2017 – early November 2017.

Emergency Communications –JC Smith, N5RXS, reported that there is nothing new for ARES although it will probably be on the program for Austin Summer Fest.

Executive – No meetings since last month.

Field Day – Harold Fleischer, AE5AS, Acting Chairperson, recognized selected participants in Field Day 2017 with the following certificates:

Iron Radio Operator:

Bob Rodriguez, K5AUW, Rich Roudebush, N4DCA, and Jeff Boyes, AK6B

Field Day Star:

Joe Bruno, W5AUQ, Richard Elder, WB5ACN, Paul Guido, N5IUT, Lloyd Swartz, KF5ZHW, Mike Harrison, KB5KST, Brad Crabtree, W5FRQ, Eric Harris, KG5SZV, Bill Craft, KD2HIQ, John D'Andrea, AA5JD, Tom O'Brien, AB5XZ

President's Certificate of Appreciation – Rich Roudebush, N4DCA

Harold Fleischer, AE5AS then asked for things that members felt went well and for things that members felt went well. Input received was:

Antenna and Cable Plan was good

Marking antenna locations was good

Patch Panel was good

Joy to do antennas with the orange boxes having all the antenna items

Rock throwing method to string up dipole antennas needs replacement

- Sling shot
- PVC piper under air pressure
- Compound longbow

Inventory list for each orange box

Got visitors and new Hams on the air

Harold Fleischer, AE5AS, then shared his observations

Patch Panel worked – improve with push on PL259s

Bundling Tent Poles worked

Move from storage in two lifts and back in one lift worked

Load Lists and Trailer Load Plans worked – improved load on trailer tongue on return

Work Plans generally worked – a generator needs to stay on until beam antenna is down

Time Schedule was pretty close

Pre-Field Day computer update is essential

Pre-Field Day and Post-Field Day generator operations are essential

SARC VHF & UHF Radios are duds – need replacement

Only antennas that were to be put up were taken unlike last year where everything was taken and a lot not put up – need to examine usage on what was erected, maybe fewer SARC antennas or different ones

We did not use HT UHF at Field Day – could have been useful at times

We were visited by Mayor Bob Werner of Shavano Park. He is very supportive and said that they are considering installing pavilions in the area that we are using.

Finance and Review – Inactive until next January.

JOTA – Mike Harrison, KB5KST, asked that anyone interested in working on JOTA contact him. JOTA is October 21, 2017.

Membership – Tom O'Brien, AB5XZ, reported that so far we have 130 members for 2017 with 87 paid and 43 free.

Nothing more has been done on the identification of new hams per the FCC data base.

Nominating (Inactive-no appointments)

Radio Fiesta – JC Smith, N5RXS, plans to get started by registering with ARRL, working on fliers, and emails to exhibitors.

Harold Fleischer, AE5AS, last year's Radio Fiesta Chairperson will transfer all physical and electronic records from Radio Fiesta 2017 to JC, N5RXS, by the end of July.

VEC – They did support Bob Rodriguez, K5AUW, and his Technician Class for CERTS on June 18, 2017. Four candidates were successful in becoming Techicians.

The test session at 10:00 a. m. on June 24, 2017 at the Great Northwest Library had 12 candidates. Of these, 6 became new Technicians, 1 became a new General, and 3 upgraded

to General. There were 2 unsuccessful candidates. Some Volunteer Examiners and new Hams then went to Radio Fiesta 2017.

The test session at HAMsters on July 1, 2017 had 6 candidates. Of these, 3 became new Technicians, and 1 became a new Extra. There were 2 unsuccessful candidates.

Centennial Commemoration (Temporary) - The committee is Tom O'Brien, AB5XZ, Paul Guido, N5IUT, Lloyd Swartz, KF5ZHW, and Bob Rodriguez, K5AUW. Tom, AB5XZ, has kept a number of ideas from Lloyd, KF5ZHW. He will email committee members to get a conversation going on plans.

He wants to gather stories from long term members as a part of our Centennial Commemoration.

CW Training (Temporary) – Joe Bruno, W5AUQ, no report.

Tailgate Swap Meet Committee (Temporary) – Richard Elder, WB5ACN, has set up a tailgate swap meet for July 15, 2017 from 7-10 a. m. at Hangar 18 Surplus.

Old Business - None

New Business - None

Announcements For The Good of Amateur Radio – None

The meeting was adjourned at 8:58 p. m.

Harold Fleischer
President
for
Secretary (Vacant)

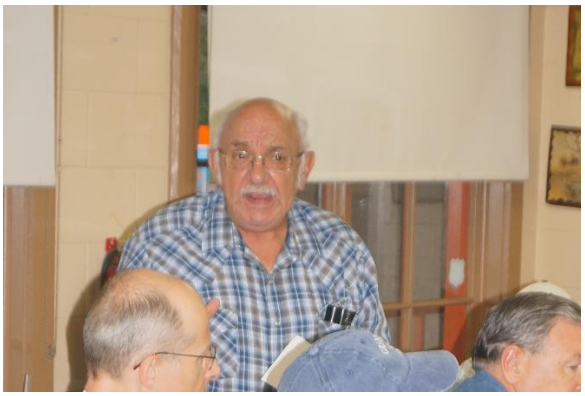
Raspberry PI

(Continued from Page 1)

Right side room wide view of members at the SARC meeting on July 13, 2017 shortly before the official start

Mike Harrison, KB5KST, Vice President and Program Committee Chairperson introducing Paul Guido, N5IUT, as the program presenter at the SARC meeting on July 13, 2017

Paul, N5IUT, was projecting a computer image on the screen of the w5sc.org website. As he started his Raspberry talk, he showed that the image was not coming from a tablet computer, but from a small Raspberry Pi Zero W (Bluetooth and Wireless on board), which is a small 1GHz, 512MB computer on a card that looks like is should be a daughter board. It is slow, but very cheap ($26 on Amazon) and you use and build into a custom project. FYI, The basic board does not come with a memory card (micro SD) that you would need to boot it up. It is basically open source with an extensive user community. https://www.raspberrypi.org/



Bob Rodriguez, K5AUW, making the Chairman of the Board, asking for someone interested in being appointed Secretary at the July 13, 2017, meeting

Brad Crabtree, W5FRQ, Treasurer, making his reports at the July 13, 2017, meeting

He then went on to the Linux Mint Cinnamon version 18.2 operating system. Linux is open source and generally available for free. Linux Mint can be used as a replacement operating system for windows XP on most computers. Microsoft Office compatible programs are also available for linux like OpenOffice and LibreOffice. It typically can be installed on older hardware that cannot be updated to the latest operating

Rasperry PI Computer
(Photo from Paul Guido, N6IUT)

systems like Windows10.
https://www.linuxmint.com/

After Paul, N5IUT, completed his presentation and answered a lot of questions, Mike Harrison, KB5KST, Vice President and Program Chairperson, thanked him and Harold Fleischer, AE5AS, President, presented him a Program Certificate of Appreciation.

The meeting went on with reports by the officers and committees. The president did announce that Bob Thompson, K5RWT, had resigned as Secretary due to health reasons and members interested in serving as secretary should contact Bob Rodriguez, K5AUW, Chairman of the Board of Director, who appoints most replacements until the next election. There was some time spent on the Field Day report which is covered in a separate story. Otherwise, the reports were generally routine and are covered in the minutes starting on Page 3.

Next License Test on Saturday, August 26, 2017

Pat Knight, AD5BR, Chairperson, Volunteer Examination Committee, and several members of that committee will be conducting amateur radio license examines on Saturday, August 26, 2017. The test session will start at 10:00 a. m. at the Great Northwest Library. This test session is open to the public although pre-registration is encouraged. There is a $15 FCC authorized fee.

Field Day 2017

Bob Rodriguez, K5AUW, Rich Roudebush, N4DCA, and Jeff Boyes, AK6B, watch as Harold Fleischer, AE5AS, President, explains the Iron Radio Operator certificate for all night operations at Field Day 2017 during the SARC meeting on July 13, 2017

Jeff Boyes, AK6B, receives the Iron Radio Operator certificate for all night operations at Field Day 2017 from Harold Fleischer, AE5AS, President, at the SARC meeting on July 13, 2017

The Acting Chairperson of the Field Day Committee chose to make the Field Day 2017 in two parts. The first part was by telling individual stories as certifcates were presented to individual members for their contributions to Field Day 2017. The second part was by doing a short after action review about what things went well and what things needed improvement. The members gave their after action input first and then the acting Chairperson shared his thoughts on what went well and what could be improved.

The Acting Chairperson first invited Jeff Boyes, AK6B, Bob Rodriguez, K5AUW, and Rich Roudebush, N4DCA, to come forward. They were each presented with an Iron Radio Operator certificate for being all night operators. It was emphasized that the current SARC format and time schedule was dependent on all night operators wheo provide physical security for the site while continuing to operate. They also take advantage of the changing radio propagation conditions during the night to make more contacts.

The next members recognized where presented Field Day Star certificates. These members served the common good of SARC by doing various things that added to the success of Field Day 2017. The citations on their individual citations are different and each one was read. In addition, the Acting Chairperson told various stories about these members to highlight their contributions. The Field Day Stars were Joe Bruno, W5AUQ, Richard Elder, WB5ACN, Paul Guido, N5IUT, Lloyd Swartz, KF5ZHW, Tom O'Brien, AB5XZ, Mike Harrison, KB5KST, Brad Crabtree, W5FRQ, Eric Harris, KG5SZV, Bill Craft, KD2HIQ, and John D'Andrea, AA5JD. Most were present at the meeting and received their Field Day Star certiciates at that time and had their pictures taken.

Finally, the Acting Chairperson called up Rich Roudebush, N4DCA. The President presented Rich, N4DCA, with a President's Certificate of Appreciation for his Field Day

Rich Roudebush, N4DCA, receives the Iron Radio Operator certificate for all night operations at Field Day 2017 from Harold Fleischer, AE5AS, President, at the SARC meeting on July 13, 2017

Bob Rodriguez, K5AUW, receives the Iron Radio Operator certificate for all night operations at Field Day 2017 from Harold Fleischer, AE5AS, President, at the SARC meeting on July 13, 2017

Richard Elder, WB5ACN, receives the Field Day Star certificate for his contirbutions to Field Day 2017 from Harold Fleischer, AE5AS, President, at the SARC meeting on July 13, 2017

2017 contributions, which were many over a long period of time. The most obvious was being Gnerator Man. What might not be so obvious as Generator Man was the pre- and post-Field Day parties with the generators to make sure they were ready before Field Day 2017 and maintained after Field Day 2017. In addition, Rich, N4DCA, did a lot of inventory, measureing, labeling, and testing work to help the Field Day Committee get ready for Field Day 2017. He also went on the Field Day Committee City of Shavano Park site review where antenna locations were picked out and photographically recorded.

Paul Guido, N5IUT, receives the Field Day Star certificate for his contirbutions to Field Day 2017 from Harold Fleischer, AE5AS, President, at the SARC meeting on July 13, 2017

Lloyd Swartz, KF5ZHW, receives the Field Day Star certificate for his contirbutions to Field Day 2017 from Harold Fleischer, AE5AS, President, at the SARC meeting on July 13, 2017

Tom O'Brien, AB5XZ, receives the Field Day Star certificate for his contirbutions to Field Day 2017 from Harold Fleischer, AE5AS, President, at the SARC meeting on July 13, 2017

Eric Harris, KG5SZV, receives the Field Day Star certificate for his contirbutions to Field Day 2017 from Harold Fleischer, AE5AS, President, at the SARC meeting on July 13, 2017

Mike Harrison, KB5KST, receives the Field Day Star certificate for his contirbutions to Field Day 2017 from Harold Fleischer, AE5AS, President, at the SARC meeting on July 13, 2017

The after ction review was not very long, but member input was captured in the minutes as were the immediate comments by the Acting Chairperson as to what went well and what needs improvement. The most significant item was a better way of throwing dipole tie down lines over branches. The written After Action Report of the Acting Chairperson will include all of these items as well as others.

In conclusion, the San Antonio Radio Club members were generally satisfied with the planning and execution of Field Day 2017 by themselves.

Brad Crabtree, W5FRQ, receives the Field Day Star certificate for his contirbutions to Field Day 2017 from Harold Fleischer, AE5AS, President, at the SARC meeting on July 13, 2017

Bill Craft, KD2HIQ, receives congratulations for being a the Field Day Star for his contirbutions to Field Day 2017 from Harold Fleischer, AE5AS, President, at the SARC meeting on July 13, 201

Rich Roudebush, N4DCA, receives the President's Certificate of Appreciation for generator, inventory, measuring, labeling, and testing contirbutions before, during, and and after Field Day 2017 from Harold Fleischer, AE5AS, President, at the SARC meeting on July 13, 2017

Eric Harris, KG5SZV, the new Secretary of SARC

New Secretary

On Sunday, July 16, 2017, Eric Harris, KG5SZV, was officially appointed Secretary of the San Antonion Radio Club by Bob Rodriguez, K5AUW, Chairman of the Board of Directors after Eric, KG5SZV, volunteered.

Eric, KG5SZV, in accordance with the Constitution and By-Laws, will remain the Secretary for the rest of 2017. He will, of course, be eligible for election in 2018.

Thank you and congratulations from the members of the San Antonio Radio Club.

JOTA

Mike Harrison, KB5KST, has been appointed Chairperson, JOTA Committee. Bob Rodriguez, K5AUW, asked to step down from this position, but then immediately volunteered to be the Assistant Chairperson.

Anyone interested in helping Mike, KB5KST, should contact him. JOTA will be held at the Texas Transportation Museum on October 21, 2017. It was quite successful there last year, and it is anticipated that it will be again.

Ham Tailgate Swap Meet

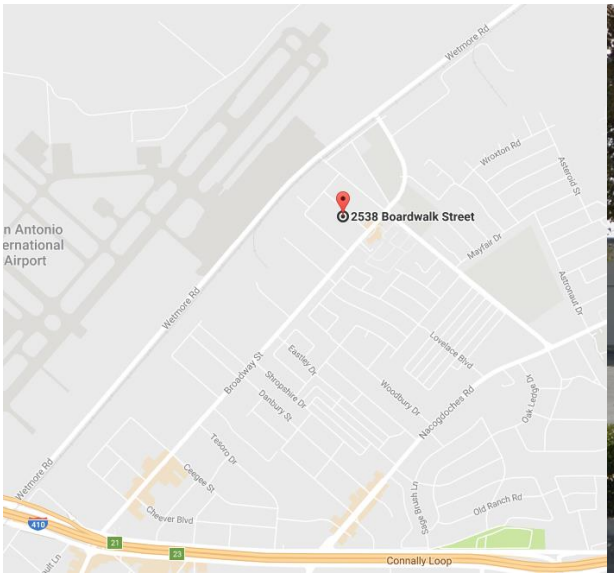
Sponsored by Hangar 18 Surplus

Saturday, August 19, 2017, from 7 a. m. until 10:00 a. m.
Coffee and Donuts

Location: Hangar 18 Surplus
2538 Boardwalk
San Antonio, TX 28217

Hangar 18 Surplus carries a wide selection of coax adapters, cables, and the $1.00/pound electronic chassis/things to be repaired. For the Ham Tailgate Sway Meet, Hanger 18 Surplus will also have a trailer with a selection of used, empty transit cases suitable for use by Hams as GO-KITS and outdoor cabinets suitable for use by Hams for antenna tuners. The cases will be priced at $1.00/pound.

Hangar 18 Surplus has many embroidered hats and shirts available from an additional product line in which they also do business.



Larry Stewart, KG5RVR, has “tons of vintage ham and military radio equipment” from the World War II through 1970s era. He is looking for people capable of giving any of it a new home. He can be contacted at 210-710-6422 or emailed at larry.stewart490@icloud.com.

Yahoo Groups

SARC has had a Yahoo Group for a number of years now. Its name is W5SC.

W5SC is being used to publicize SARC business meetings. It can be used for other things like promotion of VEC testing and classes. Members of the W5SC Yahoo Group can and have asked each other technical questions or sought assistance.

W5SC is a closed group. To become a member, go to groups.yahoo.com. (You may need to have a Yahoo account.) This will take you to a website where your groups, if any, are shown with a Search Group box at the top. Enter W5SC. This will take you to the search results page with W5SC on it. Select W5SC to go to the W5SC Yahoo Group. You will then need to select *+ Join Group*. This generates a message. SARC members can expect approval to join the W5SC in probably less than 24 hours.

SARC Tweets

Reminder: there are two Twitter accounts for the San Antonio Radio Club. They are @SARadioClub and @ARadioFiesta.

The @SARadioClub is being used to publicize SARC meetings. It can be used for other things like promotion of VEC testing and classes.

As Radio Fiesta 2018 work has not yet commenced, the @ARadioFiesta is currently in standby mode for the January 13, 2018 Radio Fiesta.

SARC members are encouraged to follow both Twitter accounts.

SARC Facebook

There is a San Antonio Radio Club – SARC (@saradioclub) Facebook Page.

The newsletter editor is making posts about SARC meetings and other activities. Any Officer, Committee Chairperson, or member who believes that they have information that should be posted to this page should contact the newsletter editor using the contact information for the newsletter editor on page 2 of this newsletter.

SARC members are encouraged to follow this Facebook Page.

SARC SLACK

There is a San Antonio Radio Club Slack team – w5sc.slack.com.

Slack teams are meant to foster communication between team members. Paul Guido, N5IUT, has established the w5sc.slack.com team for SARC. He has also established some channels. Think of the channels as topical areas.

To join send an email to Paul Guido, N5IUT, at radioteacher@gmail.com. In actuality, any team member already a part of the w5sc.slack.com can invite you, but Paul is known to be on it.

SARC has a website:

w5sc.org

Webmaster: webmaster@w5sc.org

SARC Meeting Dates for next 12 Months

August 10, 2017
September 14, 2017
October 12, 2017
November 9, 2017
December (None)
January 11, 2018
February 8, 2018
March 8, 2018
April 12, 2018
May 10, 2018
June 14, 2018
July 12, 2018

Meetings are held at Grady's Barbeque, 327 E. Nakoma Dr., San Antonio, TX 78216 at 7:00 p. m.

Come early and eat with other members coming early.

Field Day 2018

Setup: Friday, June 22, 2018
Operations: Saturday, June 23, 2018
& Sunday, June 24, 2018

Where SARC proves they are an eating group with a radio problem.

More information to follow, but hold these dates.

Radio Fiesta 2018

January 13, 2018
Schertz Civic Center

Amateur Radio License Classes

A General Course is currently being planned with a start date in late October 2017 – early November 2017.

As this class's plans firm up, they will be summarized here.

License Testing Dates for 2017 and early 2018

August 26, 2017
October 28, 2017
January 13, 2018
February 24, 2018
April 28, 2018
June 23, 2018

Times and locations along with required document information can be found on SARC's website.

SARC does all its licensing testing as a part of ARRL Volunteer Examiner Coordinator (VEC) organization so all the Volunteer Examiners in SARC are duly authorized Volunteer Examiners of ARRL's VEC.

JOTA

Boy Scout Jamboree On The Air

This year's date is Oct 21, 2017. The plan is to again hold it at the Texas Transportation Museum.
For more information, contact:
Gary (Mike) Harrison, KB5KST

Emergency Communications

If you are interested in emergency communications, contact:
JC Smith N5RXS